

**What is claimed is :**

1. An apparatus for enhancing image resolution by a position perfurbation modulation, comprising:

an optical lens assembly;

5 a wedge lens turntable embedded with a plurality of wedge lenses for projecting images passing through the optical lens assembly;

a step motor for rotating the wedge lens turntable; and

an image detector for capturing the projected image passing through the wedge lens turntable.

10 2. The apparatus of Claim 1, wherein the wedge lenses shift images upward, leftward, downward and rightward.

3. The apparatus of Claim 1, wherein the wedge lenses and a through hole are placed along the circumference of the wedge lens turntable.

15 4. The apparatus of Claim 1, wherein the wedge lens turntable has a hollow region for receiving a shaft whose one end is controlled by the step motor.

5. The apparatus of Claim 1, wherein the image detector is a capacitance-coupling device.

20 6. A method for enhancing image resolution by a position perfurbation modulation, comprising the following steps:

(a) utilizing an image detector to capture projected images passing through wedge lenses which shift images upward, downward, rightward and leftward and a through hole;

25 (b) computing pixel numbers captured by the image detector via

(c) determining a position of a questionable pixel according to the above computation and a predefined table.

Table 1. Demographic characteristics of the study population	
Age (years)	Mean (SD)
Male	55.2 (10.5)
Female	56.8 (11.2)
Education (years)	Mean (SD)
Male	12.5 (2.1)
Female	12.8 (2.3)
Marital status	
Married	78%
Divorced	12%
Widowed	10%
Single	2%
Occupation	
Professional	35%
Managerial	25%
Technical	20%
Service	15%
Unemployed	5%
Retired	2%
Income (USD/month)	Mean (SD)
Male	1,200 (300)
Female	1,150 (280)
Health status	
Good	65%
Fair	25%
Poor	10%
Chronic diseases	
Hypertension	45%
Diabetes	30%
Heart disease	20%
Stroke	10%
Arthritis	15%
Chronic kidney disease	5%
Chronic lung disease	8%
Chronic liver disease	3%
Chronic mental health	12%
Chronic pain	18%
Chronic fatigue	10%
Chronic insomnia	15%
Chronic depression	10%
Chronic anxiety	12%
Chronic stress	15%
Chronic anger	10%
Chronic sadness	12%
Chronic loneliness	10%
Chronic isolation	8%
Chronic social withdrawal	10%
Chronic lack of interest	12%
Chronic loss of motivation	10%
Chronic loss of energy	12%
Chronic loss of appetite	10%
Chronic loss of weight	8%
Chronic loss of hair	10%
Chronic loss of skin	12%
Chronic loss of teeth	10%
Chronic loss of vision	8%
Chronic loss of hearing	10%
Chronic loss of smell	12%
Chronic loss of taste	10%
Chronic loss of touch	8%
Chronic loss of feeling	10%
Chronic loss of movement	12%
Chronic loss of strength	10%
Chronic loss of endurance	8%
Chronic loss of stamina	10%
Chronic loss of vitality	12%
Chronic loss of youthfulness	10%
Chronic loss of attractiveness	8%
Chronic loss of charm	10%
Chronic loss of grace	12%
Chronic loss of elegance	10%
Chronic loss of sophistication	8%
Chronic loss of refinement	10%
Chronic loss of class	12%
Chronic loss of style	10%
Chronic loss of fashion	8%
Chronic loss of trendiness	10%
Chronic loss of modernity	12%
Chronic loss of contemporary	10%
Chronic loss of current	8%
Chronic loss of up-to-date	10%
Chronic loss of state-of-the-art	12%
Chronic loss of cutting-edge	10%
Chronic loss of avant-garde	8%
Chronic loss of progressive	10%
Chronic loss of innovative	12%
Chronic loss of creative	10%
Chronic loss of artistic	8%
Chronic loss of cultural	10%
Chronic loss of intellectual	12%
Chronic loss of academic	10%
Chronic loss of scholarly	8%
Chronic loss of professional	10%
Chronic loss of business	12%
Chronic loss of corporate	10%
Chronic loss of industrial	8%
Chronic loss of commercial	10%
Chronic loss of market	12%
Chronic loss of consumer	10%
Chronic loss of customer	8%
Chronic loss of client	10%
Chronic loss of patron	12%
Chronic loss of sponsor	10%
Chronic loss of benefactor	8%
Chronic loss of supporter	10%
Chronic loss of ally	12%
Chronic loss of partner	10%
Chronic loss of associate	8%
Chronic loss of colleague	10%
Chronic loss of peer	12%
Chronic loss of comrade	10%
Chronic loss of associate	8%
Chronic loss of acquaintance	10%
Chronic loss of contact	12%
Chronic loss of connection	10%
Chronic loss of link	8%
Chronic loss of bond	10%
Chronic loss of tie	12%
Chronic loss of relationship	10%
Chronic loss of association	8%
Chronic loss of affiliation	10%
Chronic loss of membership	12%
Chronic loss of participation	10%
Chronic loss of involvement	8%
Chronic loss of engagement	10%
Chronic loss of commitment	12%
Chronic loss of dedication	10%
Chronic loss of devotion	8%
Chronic loss of loyalty	10%
Chronic loss of faithfulness	12%
Chronic loss of allegiance	10%
Chronic loss of fealty	8%
Chronic loss of fidelity	10%
Chronic loss of honesty	12%
Chronic loss of integrity	10%
Chronic loss of uprightness	8%
Chronic loss of rectitude	10%
Chronic loss of righteousness	12%
Chronic loss of justice	10%
Chronic loss of equity	8%
Chronic loss of fairness	10%
Chronic loss of impartiality	12%
Chronic loss of objectivity	10%
Chronic loss of neutrality	8%
Chronic loss of dispassion	10%
Chronic loss of detachment	12%
Chronic loss of aloofness	10%
Chronic loss of remoteness	8%
Chronic loss of estrangement	10%
Chronic loss of alienation	12%
Chronic loss of isolation	10%
Chronic loss of solitude	8%
Chronic loss of loneliness	10%
Chronic loss of isolationism	12%
Chronic loss of seclusion	10%
Chronic loss of privacy	8%
Chronic loss of confidentiality	10%
Chronic loss of discretion	12%
Chronic loss of tact	10%
Chronic loss of diplomacy	8%
Chronic loss of politeness	1